Modular Decontamination System (MDS)


Description:

- Primary wash, decontamination application, and rinse steps of deliberate equipment decontamination (DED)

Capabilities:

- One module for dispensing standard decontaminates including DS2, STB, and liquid field expedients (M21)
- Electrical powered scrub brushes for scrubbing DS2 on the contaminated surface (M21)
- Two modules for primary wash and rinse steps of DED using multiple water sources (M22)
- Removal of gross contamination and DS2 from vehicle exterior surfaces using high pressure power washing (M22)

Sorbent Decontamination System (SDS)

Description:

- Replaces the M11/M13 DAP and associated DS2 used in operator's spraydown with a reactive powder system

Capabilities:

- Provides greater decon area coverage than the M11 DAP
- Fits the M11's size envelope, and is 1/3rd the weight
- Allows two operators to perform simultaneous decontamination operations, thereby decreasing time requirements
- Reactive sorbent is non-toxic and non-corrosive
- Does not require water

PM ODS Mission Statement...

...manages and directs all aspects concerning development, production, and initial fielding of new and major modifications and product improvements of smoke and obscurants systems/products. Programs cover all technical disciplines in all phases (tech base, development, production, and sustainment) of the acquisition life cycle necessary to provide Joint forces with state-of-the-art battlefield obscuration and decontamination capabilities. Obscuration systems provide multispectral obscuration capabilities to our maneuver forces. Decontamination systems provide the soldier with the capability to perform immediate, detailed, and sensitive equipment decontamination on the battlefield through physical removal, absorption, and neutralization of toxic agents with no long-term harmful effects.

Product Manager
Obscuration and
Decontamination Systems
located at
Aberdeen Proving Ground, MD
21010-5424
COMM: (410) 436-2566
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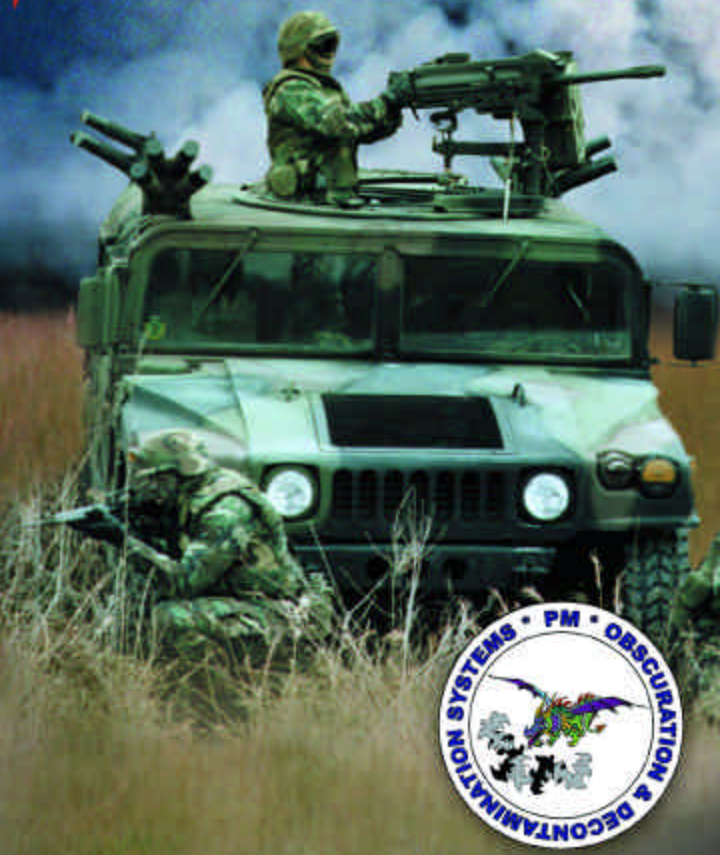
http://www.sbccom.apgea.army.mil/RDA/pmsmk/index.htm

Product Manager Obscuration and Decontamination Systems



PRODUCT MANAGER OBSCURATION AND DECONTAMINATION SYSTEMS

Product Manager Obscuration and Decontamination Systems

M56 "Coyote" Motorized Smoke Obscurant System

Description:
- System is mounted on M1113 HMMWV
- Turbine powered (diesel or JP8 Fuel)
- Mobile visual and/or infrared obscurant capabilities
- Visual: fog oil or diesel, 90 minutes mission at 1.33 gal/per minutes
- Infrared: graphite, 30 minutes at 10 lbs. per minutes
- Millimeter: P3I
- 6 systems capable of generating a five square km screen

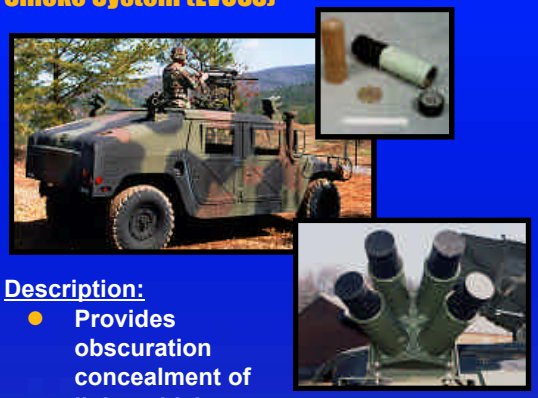
Milestones:
- Fielding started 1997
- Driver's vision enhancer fielding starting 2001

M58 "Wolf" Mechanized Smoke Obscurant System

Description:
- System is mounted on M113A3
- Increased mobility to maneuver with supported force
- Provides same mobile visual and infrared smoke capabilities as M56
- Driver's vision enhancer, SINCGARS radio, gas particulate filter unit, and M259 smoke grenade dischargers
- Millimeter wave P3I

Milestones:
- Fielded since 1998

Light Vehicle Obscuration Smoke System (LVOSS)



Description:
- Provides obscuration concealment of light vehicles
- Counters threat weapon systems operating in the visual and near infrared portion of the electro-magnetic spectrum
- Provides safe obscurant capabilities
  - Nonfragmenting grenades
  - Low toxicity and environmentally safe
- Maximizes the use of standard grenade and launcher component hardware
- Provides the following anti-riot devices
  - L96 CS grenade
  - L97 training for L96
  - XM98 distraction grenade
  - XM99 blunt-trauma grenade

Milestones:
- Fielding started 2000

M6 Countermeasure Discharger:

Description:
- Provides self-protection for Armored Systems
- Fires all standard 66-mm grenades
- Four separately addressable tubes

Milestones:
- Fielding started 2000

M157 "Lynx" Smoke Generator System

Description:
- Mounted on M1037/M1097 HMMWV or M1059/M1059A3 Smoke Generator Carrier (M113 APC variant)
- Pulse jet engine runs on any mid-viscosity fuel (diesel, JP8, etc.)
- 90 minutes of visual smoke (without resupply)
- 6 systems capable of generating a five square km screen

Milestones:
- Fielded since 1997

Joint Service Sensitive Equipment Decon (JSSED)

Description:
- Provide the ability to decontaminate chemical and biological agents from sensitive equipment

Capabilities:
- Sensitive Equipment (avionics, electronics, environmental control systems, and life support systems)
- Aircraft/Vehicle Interiors (during flight, ground, and shipboard operations)
- Decon "On-the-move"